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S/135/61/000/009/004/006
A006/A101

AUTHORS: Kozlovskiy, A.L., Candidate of Technical Sciences, Iskol'dskiy, I.I., Professor

TITLE: Gas-flame building-up of wear resistant coatings by metallizing

PERIODICAL: Svarochnoye proizvodstvo, no. 9, 1961, 13 - 17

TEXT: A technological process was developed at VNIIAVTOGEN and VNIITS of applying Ni-Cr-B coatings on steel surfaces by metallizing unloose powder, containing grains of irregular shape. R.S. Zemlyakova and N.I. Filimonova participated in the experiments. The material employed were chrome borides sintered or mixed with nickel. The method consists in the production of a strand made of a plastic binder (polyethylene alloyed with polyisobutylene) filled with the powder to be metallized. The powder and the binder are mixed on friction rolls heated to 130 - 140°C. The hot rolled mass is filled into a press-form heated to 140°C, and is pressed through a draw plate with an aperture of 3-0.15 mm in diameter at 18 - 20 kG/cm^2 pressure. The coatings were applied on the steel surfaces with the aid of the МГП-1-57 (MGP-1-57) device consisting of an injector-type metallizing torch and a drive mechanism connected with the metallizing

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A006/A101

torch by a flexible shaft. To apply the coating on internal surfaces, an extension with an angular nozzle is employed. The strand is passed through the acetylene-oxygen flame of the metallizing torch. The binder is burnt and the material to be applied is melted and sprayed onto the surface by a compressed air jet with the combustion products. A metallographical investigation was performed by R.V. Rybal'chenko in order to clear up the following problems: 1) the nature of structural changes in chrome boride coatings alloyed with nickel during their flashing; 2) the possibility of replacing Ni in the Ni-Cr-B alloy by Fe; 3) the possibility of using a mechanical mixture of chrome boride with nickel instead of an alloy; 4) the effect of silicon admixture on the properties of the Ni-Cr-B coatings. To determine the structure of the flashed layer and the base metal, specimens were etched in 2% HNO_3 solution in ethyl alcohol and were subjected to oxidizing at 450 - 500°C in air atmosphere. It was established that coatings from alloys were harder than coatings from a mechanical mixture. Therefore it is recommended to employ powder alloys for metallizing. It was found that Ni-Cr-B coatings without Si admixtures were poorly fused and porous. Coatings containing Si fuse sufficiently and show high tightness. Si admixtures increase the hardness of the coating. Chrome boride coatings with

Gas-flame building-up ...

iron oxidize considerably during flashing. The hardness of flashed Ni-Cr-B coatings with Si exceeds that of metallized but non-flashed coatings. The application of Ni-Cr-B coatings does not require sand-blast or mechanical pretreatment of the surfaces to be coated. The roentgenographical investigation was made by A.Ye. Poval'skiy and S.V. Semenovskaya. There are 6 figures, 6 tables and 1 Soviet-bloc reference.

ASSOCIATIONS: VNIIAVTOGEN (Kozlovskiy) and VNIITS (Iskol'dskiy)

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S/852/62/000/000/019/020
B185/B102

AUTHOR: Kozlovskiy, A. L.

TITLE: Protective flame-spray coatings

SOURCE: Primeneniye polimerov v antikorrozionnoy tekhnike. Ed. by I. Ya. Klinov and P. G. Udyma. Moscow. Mashgiz, 1962. Vses. sovet nauchno-tekhn. obshchestv., 288 - 296

TEXT: Various flame-spray coating methods using coating materials such as metals, ceramics, cermets, and organic polymers are surveyed and several spraying techniques and devices are described. The fused flame-spray method and the application of polymers as coatings, undercoatings and blocking agents receive special attention. A device for fused flame spraying for materials with a fusion temperature range from 60 to 30000C is said to be available now. The fusion method is said to be the only one that ensures complete and stable spray coating, while in all other cases the coatings have to be sealed with paints, high polymers, etc., on account of the porosity. To improve the stability of coatings, the adhesion factors and molecular forces involved are studied in detail. Optimum conditions for applying polymers may be achieved by heating them up to the flow

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Protective flame-spray coatings...

point, indicated as 190 - 210°C for high-pressure polyethylene, 160 - 170°C, for low-pressure ethylene, 230 - 275°C for polyvinyl butyral, 170°C for thiokol 3B and 70°C for an ethylcellulose - montan wax mixture. This ensures maximum mobility of the polymer particles to be sprayed onto the base material, and corrosion of the base material below the finished coating may be prevented by strong molecular blocking forces. When using polyethylene in spray coating, certain peculiarities have to be considered which arise from chemical and structural changes occurring in the polymers. Minimum changes occur when hydrogen is used to produce the flame. The changed properties are ascribed mainly to cross-linking processes initiated by the flame-spraying process. Metallized underlayers or undercoatings of paints or varnishes are used to compensate for the difference between the linear expansion coefficients of the polymers used as coatings and that of the base metal, especially in the case of concave parts of metallic vessels etc. Polyethylene coatings are said to protect stainless steel effectively against the action of HCl, HF, organic acids, salt and alkali solutions etc. with the exception of strong oxidants. As an example of how flame-sprayed metal coatings can be successfully sealed with polymers, the application of ceresin to aluminum oxide, heated to 100°C, is mentioned. To obtain sealings that can withstand severe operational conditions

hydrophilic phenol-aldehyde resins modified with maleic anhydride is recommended. Drying these resins in the cold takes several days, drying them at 70 - 80°C takes 3 - 4 hrs. Stainless steel powder used in flame spraying should have no fine grains, but inferior stainless steel powders could be successfully applied by using a hydrogen-oxygen flame. For the build-up of worn parts by flame spraying, the following powder mixture is recommended: 2% Mo; 1% Si; 0.1% C; 18% Cr; 2% Ni, the remainder Fe. For greater wear resistance thicker coatings of the following composition are recommended: 2% Ni; 16% Cr, 0.24% C; 81.8% Fe. Especially wear-resistant are coatings on nickel bases, alloyed with metal borides which also resist attacks of highly aggressive media. Efforts of the VNIIAvtogen Institute to enhance flame-spray coating methods for industrial purposes, e.g. for the petroleum industry, were focused on the following problems: replacement of expensive Zn and Al wires by cheaper powders obtained from wastes, to be used together with suitable vehicles; flame spraying with thermosetting polymers to produce coatings of various thicknesses. At the present time, phenol aldehyde, alkyd, aniline formaldehyde, organosilicon and other polymers are successfully used. In a number of cases only sintering instead of fusion proved to be satisfactory, so that Teflon type polymers could also be used in flame spray coating. There are 1 figure and

hydrophilic phenol-aldehyde resins modified with maleic anhydride is recommended. Drying these resins in the cold takes several days, drying them at 70 - 80°C takes 3 - 4 hrs. Stainless steel powder used in flame spraying should have no fine grains, but inferior stainless steel powders could be successfully applied by using a hydrogen-oxygen flame. For the build-up of worn parts by flame spraying, the following powder mixture is recommended: 2% Mo; 1% Si; 0.1% C; 18% Cr; 2% Ni, the remainder Fe. For greater wear resistance thicker coatings of the following composition are recommended: 2% Ni; 16% Cr, 0.24% C; 81.8% Fe. Especially wear-resistant are coatings on nickel bases, alloyed with metal borides which also resist attacks of highly aggressive media. Efforts of the VNIIAvtogen Institute to enhance flame-spray coating methods for industrial purposes, e.g. for the petroleum industry, were focused on the following problems: replacement of expensive Zn and Al wires by cheaper powders obtained from wastes, to be used together with suitable vehicles; flame spraying with thermosetting polymers to produce coatings of various thicknesses. At the present time, phenol aldehyde, alkyd, aniline formaldehyde, organosilicon and other polymers are successfully used. In a number of cases only sintering instead of fusion proved to be satisfactory, so that Teflon type polymers could also be used in flame spray coating. There are 1 figure and

Protective flame-spray coatings

S/852/62/000/000/019/020
B185/B102

1 table.

Card 4/4

KOZLOVSKIY, A.M., tekhnik

Ice conditions in the Davis Sea during January-April 1963.
Inform. biul. Sov. antark. eksp. no.46:31-33 '64
(MIRA 18:1)

KOZLOVSKIY, A.S.; DLUGACH, B.A., red.; KHITROV, P.A., tekhn. red.

[Signal lamps and their maintenance]Signal'nye fonari i ukhod za nimi. Moskva, Transzheldorizdat, 1951. 50 p. (MIRA 16:1)

(Railroads--Signaling)

KOZLOVSKIY, A.S.

KOZLOVSKIY, A.S., inzhener; ZHURAVLEV, B.A., inzhener, nauchnyy redaktor.

[Roofer and tinsmith] Krovel'shchik-zhestianshchik. Rekomendovano v kachestve ucheb. posobiia dlia shkol FZO stroit. promyshl. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 114 p. (MLRA 7:5)

(Roofing, Tin) (Tinsmithing)

KOZLOVSKIY, A.S., inzhener.

Efficient installation of antennas and overhead communication lines. Gor.khoz.Mosk. 27 no.12:23-25 D '53. (MLRA 6:12)
(Antennas (Electronics)) (Telephone lines)

KOLODEY, A.P.; KOZLOVSKIY, A.S.

[Roof work in rural construction] Krovel'nye raboty v sel'skom stroitel'stve. Moskva, Gos. izd. lit. po stroit-vu i arkhi-re, 1954. 124 p. (MIRA 8:1 D)

KOZLOVSKIY, A.S., inzhener.

Improve the quality of popular publications on building. ("Roof repair." G.P.Maslennikov. Reviewed by A.S.Kozlovskii). Gor.khoz. Mosk. 28 no.10:40 O '54. (MLRA 7:11)
(Roofs--Repairing) (Maslennikov, G.P.)

KOZLOVSKIY, Arkadiy Stepanovich; GUDKOV,P.P., redaktor; VORONIN,K.P., tekhnicheskiy redaktor

[Installing antennas on roofs] Ustanovka antenn na kryshakh. Moskva, Gos.energ.izd-vo, 1955. 46 p.(Massovaia radiobiblioteka, no.219) (MIRA 9:3)
(Television--Antennas) (Radio--Antennas)

KOZLOVSKIY,A., inzhener.

Roofing with corrugated asbestos-cement sheeting. Sel'. stroi. 10 no.3:15-18 Mr '55. (MLRA 8:6)
(Roofing)

KOZLOVSKIY, A.S., inzh.

Constructing asbestos cement roofs without using roofing steel.
Biul. stroi. tekh. 12 no.4:15-18 Ap '55. (MIRA 11:12)
(Asbestos cement) (Roofs)

KOZLOVSKIY, Arkadiy Stepanovich; NOSKOV, S.K., kandidat tekhnicheskikh nauk, nauchnyy redaktor; TYAPKIN, B.G., redaktor izdatel'stva; TOKER, A.M., tekhnicheskiy redaktor

[Roofing work in rural building] Drovel'nye raboty v sel'skom stroitel'stve. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit. 1956. 98 p. (MLRA 10:4)
(Roofing)

KOZLOVSKIY, A.S.; SAMODAYEV, Ye.T., kandidat tekhnicheskikh nauk, retsenzent; ZHURAVLEV, B.A., inzhener, redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor.

[Tinsmithing] Zhestianitskie raboty. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 135 p. (MLRA 9:6)
(Tinsmithing)

KOZLOVSKIY, A.S.; KOLODNY, A.P.; YURLOVSKIY, A.P., kandidat tekhnicheskikh nauk, nauchnyy redaktor; TYAPKIN, B.G., redaktor izdatel'stva; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Construction of roofs] Ustroistvo krovel'. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 251 p. (MLRA 10:4)
(Roofs)

KOZLOVSKIY, A. S., inshener.

New technology of installing outside gutters. Stroitel' 2 no.1:22-24 Ja '56. (MLRA 10:1)

(Gutters)

KOZLOVSKIY, A., inzhener.

Covering roofs with asbestos-cement tiles. Sel'.stroi.11 no.6:20-22 Je '56. (MIRA 9:9)

(Roofing) (Asbestos cement)

KOZLOVSKIY, A., inzhener.

Arrangement of gutters for nonmetallic roofs. Sel'.stroi. 11 no.11:26-27 N '56. (MLRA 10:1)
(Gutters)

Kozlovskiy, A.

KOZLOVSKIY, A., inzh.

Finishing of roofs and chimneys. Sel'.stroi.12 no.12:21-23 D '57
(MIRA 10:12)

(Chimneys) (Roofing)

KOZLOVSKIY, A.S.

BOGATYKH, Ya.D.; GALAKTIONOV, A.A.; DZIKAN, V.A.; YEVSTYUGOV, A.I.; KOZLOVSKIY, A.S.; MARTYNOV, P.T.; DUBROVSKIY, V.A., red.; FEDOTOVA, A.F., tekhn. red.

[Collective farm builder] Stroitel' v kolkhoze. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 502 p. (MIRA 11:12)
(Building)

KOZLOVSKIY, A. inzh.

GOL'DOVSKIY, B., insh.; KOZLOVSKIY, A., inzh.

Unusual roofs. Stroitel' no.1:29 Ja '58. (MIRA 11:2)
(Roofs)

KOZLOVSKIY, A., inzh.; KOZLOVSKIY, M., inzh.

Creasing hammer for joining combs. Na stroi. Mosk. 1 no.6:23 Je '58.
(MIRA 11:9)

(Roofing) (Building--Tools and implements)

KOZLOVSKIY, A., inzh.; KOZLOVSKIY, M.

All-purpose comb-bending device. Stroitel' no.9:10 '58.
(MIRA 13:3)
(Roofing--Equipment and supplies)

KOZLOVSKIY, A., inzh.

Using "steel tiles" in roofing. Sel'.stroi. 13 no.11:19-22 N '58. (MIRA 11:12)

(Roofing, Iron and steel)

KOZLOVSKIY, A.S.

Gutter pipes and cornice boardings on building facades. Gor. khoz. Mosk. 32 no.11:27-29 N '58. (MIRA 11:11)
(Gutters) (Cornices)

KOZLOVSKIY, A.S., inzh.; Prinimal uchastiye GOFSHTEYN, S.Ya., krovel'-shchik-novator. ODINOKOV, S.D., kand.tekhn.nauk, nauchnyy red.; KRYUGER, Yu.V., red.; GILENSON, P.G., tekhn.red.

[Constructing tile and asbestos-cement roofs] Ustroistvo cherepichnykh i asbestotsementnykh krovel'. Moskva, Gos.izd-vo lit-ry po stroit., arkhit., i stroit.materialam, 1959. 207 p. (MIRA 13:2)

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(Roofing)

NOSKOV, S., kand. tekhn. nauk; KOZLOVSKIY, A., inzh.

Efficient methods for covering roofs with rolled roofing materials.
Stroitel' no.9:15 S '59. (MIRA 13:3)
(Roofing)

KOZLOVSKIY, A., inzh.

Clay and straw roofs. Sel'.stroi. 14 no.9:Supplement: 2-4 S '59.
(MIRA 12:11)
(Roofing)

ARKHANGEL'SKIY, P.Ye.; BERNSHTEYN, A.M.; BYKOV, M.A.; DLUGACH, M.L.; IL'YASHEVSKIY, Ya.A.; KIRILLOV, A.A.; KOZLOVSKIY, A.S.; KRYLOV, N.V.; LESOV, N.M.; MARTYNOV, P.T.; NIKANDROV, B.I.; PARUNIN, V.Ye.; RUDANOV, M.L.; SINYAKOV, V.K.; FAL'KNER, O.G.; PETRYAKOV, A.I., red.; BALLOD, A.I., tekhn.red.

[Manual on the construction of farm buildings] Spravochnik po sel'skokhoziaistvennomu stroitel'stvu. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 704 p.
(Farm buildings) (MIRA 13:12)

KOZLOVSKIY, A., inzh.

Shingle and tile roofs. Zhil.stroi. no.1:26-29 Ja '60.
(MIRA 13:5)

(Shingles) (Tiles, Roofing)

KOZLOVSKIY, A., inzh.

Roofs made of shingles and rolled materials. Zhil.stroi.
no.2:25-26 F '60. (MIRA 13:5)
(Roofing)

KOZLOVSKIY, Arkadiy Stepanovich; KOLODEY, A.P., red.; YEVDOKIMOVA, Ye.D., red.izd-va; KHENOKH, F.M., tekhn. red.

[Handbook for the roofer carrying out the maintenance of a residential building]Pamiatka krovel'shchika, vypolniaiushchego tekushchii remont zhilogo doma. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1961. 44 p. (MIRA 16:1)
(Roofs--Maintenance and repair)

KOZLOVSKIY, A.S., inzh.; ODINOKOV, S.D., kand. tekhn. nauk, nauchnyy red.; ZVORYKINA, L.N., red.izd-va; TEMKINA, Ye.Kh., tekhn. red.

[Laying asbestos cement and tile roofing] Ustroistvo asbesto-tsementnykh i cherepichnykh krovel'. Izd.2., i perer. Moskva, Gos. izd-vo lit-ry po stroit., arkhit i stroit. materialam, 1961. 186 p. (MIRA 15:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Roofing, Tile) (Roofing, Asbestos cement)

BOGATYKH, Ya.D.; GALAKTIONOV, A.A.; DZIKAN, V.A.; YEVSTYUGOV, A.I.; KOZLOVSKIY, A.S.; MARTYNOV, P.T.; BANNIKOV, S.A., red.; PROKOF'YEVA, L.N., tekhn. red.

[Textbook for training agricultural construction workers] Posobie po podgotovke rabochikh-stroitelei v sel'skom khozyaistve. Moskva, Gos.izd-vo sel'khoz. lit-ry, 1961. 638 p. (MIRA 14:5)

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KOZLOVSKIY, Arkadiy Stepanovich; KOLODEY, A.P., nauchnyy red.; ROGOL'SKIAYA, L.I., red.; DORODNOVA, L.A., tekhn. red.

[Roofing operations] Proizvodstvo krovel'nykh rabot. Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1962. 265 p. (MIRA 15:3)

(Roofing)

KOZLOVSKIY, Arkadiy Stepanovich; NOSKOV, S.K., nauchn. red.;
MIKHAL'CHUK, Z.V., red.

[Roofing operations] Krovel'nye raboty. Izd.2., perer.
i dop. Moskva, Vysshaia shkola, 1965. 383 p.
(MIRA 18:2)

L 41632-66 EWP(k)/EWT(d)/EWT(m)/T/EWP(h)/EWT(v)/EWP(t)/EWP(l)/ETI IJP(c) JD/HW/RH

ACC NR: AP6009627 SOURCE CODE: UR/0182/66/000/003/0011/0012

AUTHOR: Nikolayenko, A. S.; Kozlovskiy, A. S.

ORG: none

TITLE: Forging of Kh18N10T steel pivot pins with a deep punch

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 3, 1966, 11-12

TOPIC TAGS: STRUCTURAL HARDWARE, hot forging, stainless steel, grain boundary stability / Kh18N10T stainless steel

ABSTRACT: A production process developed at the Dnepropetrovsk Metallurgical Plant, for forging conical pivot pins made of Kh18N10T stainless steel is described. The metal was preheated to 1180°C, forged into billets and removed from the press at 900°C. After forging, the billets were annealed for hot-piercing, heated above 1090°C and pierced to a depth of 520 mm. Since Kh18N10T steel undergoes transcrystallization, low compressive levels were used in hot billeting to prevent internal cracking. A schematic diagram of the piercing die is shown and details of 6 separate forging operations are given. Thus the following items, comprising all of the industrial-experimental data on the process, were listed: name of operation, sketches of processed pieces, tools and temperature forging ranges which varied anywhere from 850 to 1220°C depending on the process. Standard tolerances (GOST 7062-54) could be reduced 25-30% since

UDC: 621.73.034

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cracks did not appear on the forged surfaces. Satisfactory results were obtained after testing of the finished forgings for mechanical properties and both macro- and microstructures. Orig. art. has: 1 figure, 1 table.

SUB CODE: 11,13/ SUBM DATE: none

Card 2/2

KOZLOVSKIY, B., inzh.

Bibliography. Avt.dor. 28 no.11:30 N '65.

(MIRA 18:11)

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SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

KOZLOVSKIY, B., inzhener.

New standards of bridge dimensions for highways. Avt.transp. 32 no.3:38 Mr '54. (MLRA 7:8)
(Bridges--Specifications)

KOZLOVSKIY, BORIS ALEKSANDROVICH

ANDROSOV, Andrey Aleksandrovich, inzhener; VASIL'YEV, Aleksandr Aleksandrovich, laureat Stalinskoy premii; GADZHINSKIY, Pifik Gasanovich, inzhener; KOZLOVSKIY, Boris Aleksandrovich, kandidat tekhnicheskikh nauk; SHARTS Ariy Zel'manovich, inzhener; TOVSTOLUZHSKIY,N.I., redaktor; BROMBERG,A.A., redaktor; KOGAN,F.L., tekhnicheskiy redaktor

[Concrete, asphalt concrete and rock crushing plants for road construction; designs and standard equipment] Betonnye, asfal'tobetonnye i kamnedrobil'nye na dorozhnom stroitel'stve; proektnye resheniia i tipovoe oborudovanie. Moskva, Nauchno-tekhn. izd-vo avtotransportnoi lit-ry. Pt.2. [Asphalt plants and bituminous bases] Asfal'tobetonnye zavody i bitumnye bazy. 1955. 123 p. (MLRA 9:2)
(Asphalt concrete) (Roads)

KOZLOVSKIY, B.A., kand.tekhn.nauk

Asphalt concrete for road construction. Trudy MADI no.22:14-29 '58. (MIRA 12:4)
(Asphalt concrete)

KOZLOVSKIY, B., inzh.

New norms and technical specifications for planning city streets, roads, and squares. Zhil.-kom.khoz. 10 no.4: 8-9 '60. (MIRA 13:6)
(Streets)

GORDEYEV, Semen Osipovich; KOZLOVSKIY, B.A., red.; DOLGOVA, K.N., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Asphalt-concrete work]Asfal'tobetonnye raboty. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1962. 225 p. (MIRA 15:10)
(Asphalt concrete) (Pavements)

GORDEYEV, Semen Osipovich. Prinimal uchastiye KOZLOVSKIY, B.A., kand. tekhn. nauk; SUKHAROVA, E.S., red.izd-va; KHENOKH, F.M., tekhn. red.

[Deformations and defects of asphalt concrete pavements] Deformatsii i povrezhdeniia dorozhnykh asfal'tobetonnykh pokrytii. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 131 p. (MIRA 17:3)

KOZIOVSKIY, B., inzh.

Increase of the clearance height of underpasses. Avt. dor. 27 no.9:27 S '64. (MIRA 17:11)

SUDACHKOV, Yevgeniy Yakovlevich; KOZLOVSKIY, B.A., red.; SVETLAYEVA, A.S., red. izd-va; BRATISHKO, L.B., tekhn. red.

[Forest maturity] Spelost' lesa. Moskva, Goslesbumizdat, 1957. 52 p. (Forest and forestry) (MIRA 11:7)

KOZLOVSKIY, B.A.

14-57-7-14283

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7, pp 12-13 (USSR)

AUTHORS: Kozlovskiy, B. A., Telyatnikov, P. I., Kapura, M. P., Sinitsyn, S.I..

TITLE: Colored Aerial Photographs Should be More Widely Used in Forest Operations (Shire primenyat' tsvetnuyu aerofotos"yemku pri lesoustroystve)

PERIODICAL: Leso. kh-vo, 1957, Nr 1, pp 19-21

ABSTRACT: The following conclusions can be drawn from the efforts of the Central Trust "Forest Project" intended to broaden the use of spectrozonal (colored) aerial photographs. The quality of aerial photographs will be improved if spectrozonal emulsions are used; this, in turn, will permit a more detailed analysis of the forest as it appears in the photograph (to determine the composition of the forest, chief tree types, etc.),

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Colored Aerial Photographs (Cont.)

a more detailed description of barren areas, and a more accurate outlining of the various map sections. When compared with the use of panchromatic emulsions, the use of spectrozonal ones will improve the quality and accuracy of tax assessments, reduce the amount of difficult ground survey work, and facilitate the tasks of the tax assessor.
Card 2/2

UNTRY :
TEGORY : Forestry. General.

S. JOUR. : RZhBiol., No. 14 1959, No. 63170

THOR : Kozlovskiy, B. A.; Zhokhov, P. I.
IST. :
TLE :

IG. PUB. : Lesn. kh-vo, 1958, No. 1, 87-89

STRACT : No abstract

rd: 1/1

KOZLOVSKIY, Boris Alekseyevich; MALAKHOV, Aleksandr Yakovlevich; PANASHCHATENKO, Konstantin Andreyevich; PERN, Lev Konstantinovich; SEPEROVICH, I.P., red.; GOROKHOV, M.G., red.izd-va; TIKHONOVA, N.V., red.izd-va; BACHURINA, A.M., tekhn.red.

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(Forest management)

MATVEYEV-MOTIN, Aleksey Stepanovich, kand.sel'skokhoz.nauk; KOZLOVSKIY, B.A., red.; SVETLAYEVA, A.S., red.izd-va; PARAKHINA, N.L., tekhn.red.

[Universal method of determining forest reserves during enumerative valuation] Universal'nyi sposob opredeleniia zapasa drevostoia pri perechislitel'noi taksatsii. Moskva, Goslesbumizdat, 1960. 76 p. (MIRA 13:7)
(Forests and forestry--Valuation)

KOZLOVSKIY, Boris Ivanovich; MALOV, Brois Prokov'yevich; PAVLOV, Valeriy Georgiyevich; SHEBDYUKOV, S.A., nauchnyy red.; ALEKSEYEVA, M.N., red.; LEVOCHKINA, L.I., tekhn. red.

[Automatic regulators for main steam power plants on ships; design, installation, and operation] Avtomaticheskie reguliatory glavnykh sudovykh parosilovykh ustanovok; konstruktsiia, naladka i ekspluatatsiia. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1958. 318 p. (MIRA 11:10)

(Boilers, Marine)

KOZLOVSKIY, B. K.

Technology

Organization of technical control in road construction work, Moskva, Dorizdat, 1951.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

KOZLOVSKIY B.K.

KOZLOVSKIY, B.K.

A poor handbook ("Handbook for masters on the construction of industrial roads." E.M.Kupriianov, editor. Reviewed by B.K. Kozlovskii) Avt.dor.17 no.1:31-32 Jl-Ag'54. (MLRA 8:10)
(Road construction) (Tokmanov, I.A.) (Kupriianov, E.M.)

KOZLOVSKIY, B.K., inzhener.

Book review: ("Reference book for road construction engineers." I.A.Tokmakova. Reviewed by B.K.Kozlovskii). Stroi.prom. 32 no.12:47-49 D'54. (MLRA 8:3)
(Road construction)

KOZLOVSKIY, B.K., inzhener, nauchnyy redaktor; PEVZNER, A.S., redaktor izdatel'stva; VOLKOV, V.S., tekhnicheskiy redaktor

[Standards and thechnical specifications for the planning of automobile roads (NiTU 128-55)] Normy i tekhnicheskie usloviia proektirovaniia avtomobil'nykh dorog (NiTU 128-55) Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1955. 107 p. (MLRA 9:10)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Roads--Standards)

KOZLOVSKIY, B.K., inzhener.

New specifications for general purpose automobile highways. Avt. dor.18 no.1:27-30 Ja-F '55. (MIRA 8:4)
(Roads--Contracts and specifications)

KOZLOVSKIY, B.K.

New specifications for planning automobile roads. Avt.dor. 18 no,8: 30-31 D '55. (MLRA 9:5)
(Roads--Contracts and specifications)

KOZLOVSKIY, B.K., inzhener.

Specifications for designing second tracks. Transp.strei. 6 no.12:28-29 D '56. (MLRA 10:3)
(Railroads--Specifications)

KOZLOVSKIY, B.K., inzhener

New engineering instructions for designing roads for industrial enterprises. Avt.dor. 19 no.9:32 S '56. (MLRA 9:11)
(Road construction)

KOZLOVSKIY, B.K.

ZASHCHEPIN, A.N., kandidat tekhnicheskikh nauk; KOZLOVSKIY, B.K., inzhener.

State standards for cement concrete used in road construction. Avt. dor. 20 no.5:28-29 My '57. (MIRA 10:8)
(Concrete--Standards)

KOZLOVSKIY, B.K., inzh., red.; KHAVIN, B.N., red.izd-va; EL'KINA, E.M., tekhn.red.

[Norms and specifications for planning railway and trolley-bus contact systems (SN 27-58)] Normy i tekhnicheskie usloviia proektirovaniia tramvainykh i trolleibusnykh kontaktnykh setei (SN 27-59). Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1958. 78 p. (MIRA 12:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Electric railroads--Wires and wiring) (Trolley buses) (Street railways)

KOZLOVSKIY, Boris Konstantinovich, inzh.; NEKRASOV, Vladimir Konstantinovich, kand.tekhn.nauk; SLAVUTSKIY, A.K., inzh., nauchnyy red.; UDOD, V.Ya., red.izd-va; EL'KINA, E.M., tekhn.red.

[Handbook for builders of automobile roads for industrial enterprises] Spravochnik stroitelia avtomobil'nykh dorog promyshlennykh predpriiatii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 339 p. (MIRA 11:6)
(Road construction)

KOZLOVSKIY, B.K., inzh., red.; STRAKHOV, K.I., inzh., red.; PETROVA, V.V., red.izd-va; RUDAKOVA, N.I., tekhn.red.

[Norms and technical specifications for planning city streets, roads, and squares; SN 80-60] Normy i tekhnicheskie usloviia proektirovaniia gorodskikh ulits, dorog i ploshchadei SN 80-60. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 89 p. (MIRA 13:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Roads--Design)

LYALIN, N.B., kand. tekhn. nauk, otv. za vypusk; KOZLOVSKIY, B.K., inzh., otv. za vypusk; NEKLEPAYEVA, Z.A., inzh., red. izd-va; KHITROV, P.A., tekhn.red.

[Technical specifications SN 200-62 for the design of railroad, road and city bridges and culverts]Tekhnicheskie usloviia proektirovaniia zheleznodorozhnykh, avtodorozhnykh i gorodskikh mostov i trub (SN 200-62). Izd. ofitsial'noe. Moskva, Transzheldorizdat, 1962. 327 p. (MIRA 16:3)

1. Russia (1923- U.S.S.R.)Gosudarstvennyy komitet po delam stroitel'stva.

(Bridges--Design)
(Culverts--Design and construction)

KOZLOVSKIY, B.K., inzh.

New specifications for designing railroad, highway, and city bridges and culverts. Avt.dor. 25 no.3:29-30 Mr '62. (MIRA 15:3)
(Bridges--Design) (Culverts)

KOZLOVSKIY, B.K., inzh., red.; LYALIN, N.B., kand. tekhn. nauk, red.; PETROVA, V.V., red.izd-va; MOCHALINA, Z.S., tekhn. red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.2. Sec.D. ch.7. [Bridges and culverts; standards of design] Mosty i truby; normy proektirovaniia (SNiP II-D. 7-62). 1963. 62 p. (MIRA 16:9)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet Soveta Ministrov SSSR po delam stroitel'stva (for Kozlovskiy). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva (for Lyalin).

(Bridges) (Culverts)

S/028/63/000/001/002/002
D217/D308

AUTHOR: Kozlovskiy, B.K.

TITLE: Supplement to ГОСТ-9238-59 (GOST-9238-59)

PERIODICAL: Standardisatsiya, no. 1, 1963, 52

TEXT: On the 1st January 1963, modifications of, and additions to, GOST 9238-59 ("Clearances between structures and rolling stock using rails of 1524 mm gauge") came into force. The revised specification covers not only the entire main railway network, but also of railways inside factories or leading to these. The supplement was worked out jointly by the Vsesoyuznyy nauchno-issledovatel'skiy institut Zheleznodorozhnogo transporta (All-Union Scientific Research Institute of Rail Transport) (TsNII) of the Ministry of Transport SSSR, and the Gosudarstvennyy proyektnyy institut "Promtransproyekt" (State Planning Institute "Promtransproyekt"). There is 1 table.

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KOZLOVSKIY, B.K., inzh.

Amendments and supplements of the standards for construction gauge clearances. Put' i put. khoz. 7 no.5:33 '63. (MIRA 16:7)

(Railroads—Standards)

KOZLOVSKIY, B.K., inzh.

Construction gauge clearance on approach and intrafactory industrial tracks. Zhel. dor. transp. 45 no.4:86-87 Ap '63. (MIRA 16:4)

(Railroads, Industrial)

KOZLOVSKIY, B.K., inzh., red.; GEYKO, N.F., inzh., red.; ZAK, B.O., inzh., red.; PETROVA, V.V., red.

[Technical instructions for designing 750 mm gauge railroads. Approved by the State Committee for Construction of the U.S.S.R. July 18, 1963] Tekhnicheskie ukazaniia po proektirovaniiu zheleznykh dorog kolei 750 mm. (SN 251-63). Utverzhdeny Gosudarstvennym kom" etom po delam stroitel'stva SSSR 18 iiulia 1963 g. Moskva, Gosstroi SSSR, 1964. 95 p. (MIRA 17:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Kozlovskiy, Geyko). 3. Gosudarstvennyy institut tekhniko-ekonomicheskikh izyskaniy i proyektirovaniya zheleznodorozhnogo transporta (for Zak).

GEYKO, N.F., inzh., red.; KOZLOVSKIY, B.K., inzh., red.; VERTSMAN, G.Z., kand. tekhn. nauk, red.; VLASOV, D.I., inzh., red.; DUZINKEVICH, S.Yu., inzh., red.; MADERA, G.I., red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroiizdat. Pt.2. Sec.A. ch.3. 1964. 16 p. Pt.2. Sec. D. ch.1. 1964. 62 p.
(MIRA 18:2)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Geyko, Kozlovskiy, Duzinkevich). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva (for Vertsman). 4. Gosudarstvennyy institut tekhniko-ekonomicheskikh izyskaniy i proyektirovaniya zheleznodorozhnogo transporta (for Vlasov). 5. TSentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut industrial'nykh, zhilykh i massovykh kul'turno-bytovykh zdaniy Akademii stroitel'stva i arkhitektury SSSR (for Madera).

KOZLOVSKIY, B.K., inzh.; GEYKO, N.F., inzh.

New specifications for designing railroads with a 1,524 mm gauge of the general network. Transp. stroi. 14 no.5:39-40 My '64. (MIRA 18:11)

KOZLOVSKIY, B.K., inzh.; GEYKO, N.F., inzh.

New standards for the design and planning of 1524 mm gauge railroads of the general network. Zhel. dor. transp. 46 no.5:59-61 My '64. (MIRA 18:2)

KOZLOVSKIY, B.K., inzh., red.; BEZRUK, V.M., doktor geol.-miner. nauk, prof., red.; YASTREBOVA, L.N., kand. geol.-miner. nauk, red.

[Instructions on using soils strengthened by binding materials in road and airport construction] Ukazaniia po primeneniiu v dorozhnom i aerodromnom stroitel'stve gruntov ukreplennykh viazhushchimi materialami (SN 25-64). Moskva, Stroiizdat, 1965. 142 p. (MIRA 18:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Kozlovskiy). 3. Gosudarstvennyy vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut (for Bezruk, Yastrebova).

ACCESSION NR: AT4025437 S/0000/62/000/000/0091/0119

AUTHORS: Tur'yev, I. A.; Galich, Ye. V.; Semenov, Yu. V.; Reznikov, I. P.; Kozlovskiy, B. V.; Oliv, A. G.; Petrov, I. Ya.

TITLE: Laboratory computer for combined operation with simulating unit

SOURCE: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi. Nauchno-tekhnicheskaya konferentsiya. 16th, Leningrad, 1961. Kibernetika i elektronno-vy*chislitel'naya tekhnika (Cybernetics and electronic computer technology); materialy* konferentsii. Moscow, Gosenergoizdat, 1962, 91-119

TOPIC TAGS: computer, optimal control, analog digital computer, computer component, computer technique, computer testing, computer control

ABSTRACT: The laboratory computer is intended for the design and

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ACCESSION NR: AT4025437

investigation of complicated dynamic systems subject to random influences and can also be used as an ordinary high-speed universal computer for the solution of engineering problems. It is designed to be part of an experimental combined simulating installation containing both analog and digital parts. However, the usual analog computer and digital computer shortcomings can be eliminated by using this combined computer by making the analog part operate in real time and the digital computer part to improve the precision of the results. The combined computer can also be used for optimization of dynamic systems. Various other uses of such a combined computer are also proposed. The article headings are: Main operational-technical specifications of the laboratory computer. Overall description of laboratory computer. Distribution of the number-position grid of the computer. List of commands. Block diagram of laboratory computer. Arithmetic unit. Memory unit. Input unit. Printing unit. Central control unit. Random number generator. Control panel. General principles underlying the construction of the

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ACCESSION NR: AT4025437

electric circuit. Time cycle of computer operation. Features of arithmetic unit. Features of control unit. Features of magnetic operative memory. Input and printing units. Random number generator. Power supply. Preventive supervision of computer operation. Experience in the operation of the laboratory computer as a universal computer. Orig. art. has: 12 figures, 4 formulas, and 1 table.

ASSOCIATION: None

SUBMITTED: 01Sep62 DATE ACQ: 07Apr64 ENCL: 00

SUB CODE: DP NR REF SOV: 000 OTHER: 000

Card 3/3

ACCESSION NR: AT4025438 S/0000/62/000/000/0120/0129

AUTHORS: Tur'yev, I. A.; Kozlovskiy, B. V.; Semenov, Yu. V.; Reznikov, I. P.; Oliv, A. G.; Petrov, I. Ya.

TITLE: Vacuum tube high speed multichannel digital analog converter

SOURCE: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi. Nauchno-tekhnicheskaya konferentsiya. 16th, Leningrad, 1961. Kibernetika i elektronno-vy*chislitel'naya tekhnika (Cybernetics and electronic computer technology); materialy* konferentsii. Moscow, Gosenergoizdat, 1962, 120-129

TOPIC TAGS: digital to analog converter, coding, code converter, computer technique, computer converter, digital system

ABSTRACT: The described digital to analog converter is part of a combined digital-analog computing system and is used to interconnect the laboratory computer with the simulating unit. In addition to

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being used for research on automatic control systems containing discrete elements or digital special-purpose machines, it makes it also possible to generate during the course of simulation functions of several variables and to insert the quantities into the simulating unit with high accuracy when called for by the technical specifications. The required conversion accuracy is 0.2--0.5% and is one order of magnitude higher than the accuracy of the simulating unit. The speed of conversion is 50 microseconds per conversion (20,000 conversions per second). There are four channels. Provision is made for the use of 1, 2, or 3 channels with suitable reduction of the total conversion time, and also for a future increase in the number of channels. The digital-analog converter consists of a commutator for the input and output gates, a comparison block, a code-voltage converter, and a conversion control block, all of which are described in some detail, along with the over-all operation of the unit. A total of 115 tubes is used and the consumption is 1 kva. Orig. art. has: 8 figures and 1 table.

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ACCESSION NR: AT4025438

ASSOCIATION: None

SUBMITTED: 01Sep62	DATE ACQ: 07Apr64	ENCL: 01
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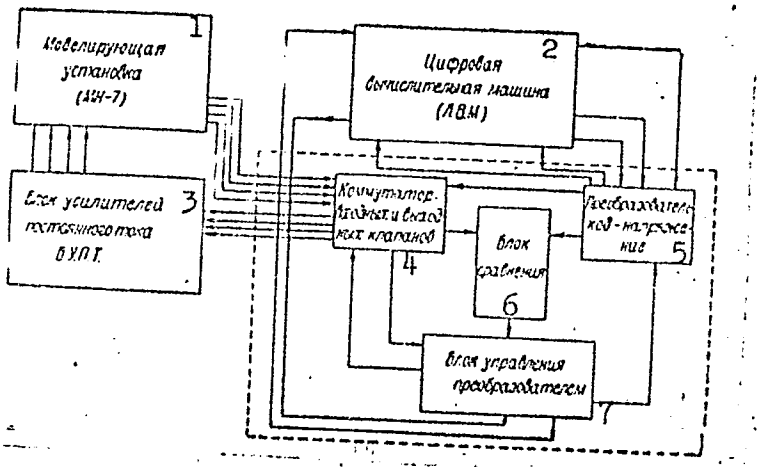
APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920

ACCESSION NR: AT4025438

ENCLOSURE: 01



Block diagram of digital-analo system

1 - analog equipment (MN-7)
2 - digital comuter (LVM)
3 - dc amplifier block
4 - input and output gate commutator
5 - code-voltage converter
6 - comparison block
7 - converter control block

Card 4/4

ANDREYEV, Aleksandr Nikolayevich; KOZLOVSKIY, Boleslav Vladislavovich; GORKHUNOV, V.M., red.

[Automatic graph plotter using the output data of electronic digital computers] Ustroistvo avtomaticheskogo postroeniia grafikov po vykhodnym dannym elektronnykh vychislitel'nykh mashin (ETsVM). Leningrad, 1964. 22 p. (MIRA 18:3)

KOZLOVSKIY, B.V., inzh.; GULIDA, E.N., inzh.; SHCHEPETKOV, V.V., inzh.

Methods for machining ball joints of locomotive parts and their economic efficiency. Mashinostroenie no.6:100-102 N-D '62. (MIRA 16:2)

1. Luganskiy teplovozostroitel'nyy zavod im. Oktyabr'skoy revolyutsii.
(Lugansk—Locomotive works)

NAYSH, M.N., inzh.; GULIDA, E.N., inzh.; VASIN, I.N., inzh.; KOZLOVSKIY, B.V., inzh.

Optimum cutting conditions for finish gear milling with a cutter head. Mashinostroenie no.3:10-12 My-Je '63. (MIRA 16:7)

1. Luganskiy teplovozostroitel'nyy zavod.
(Gear cutting)

KOZLOVSKIY, B.V., inzh.; TOPALLER, A.D., inzh.; IVANOV, I.V., inzh.

Modernization of the continuous production line for machining the axle boxes of diesel locomotives. Mashinostroenie no.4: 47-49 Jl Ag '64. (MIRA 17:10)

ZAYKOVSKIY, G.S., inzh.; OSIPENKO, V.F., inzh.; KOZLOVSKIY, B.V., inzh.

Automatic machine for removing chamfers with abrasive tools. Mashinostroenie no.4:59-60 Jl-Ag '64.
(MIRA 17:10)

KOZLOVSKIY, D.A. [deceased]

Stability degree of two simultaneous differential equations with two nonlinear functions. Uch.zap.RGPI 15:57-66 '58.
(MIRA 12:7)

(Differential equations)

KOZLOVSKIY, D. A.

Trout

Using ground water for supplying trout hatcheries. Ryb. khoz. 28, No. 7, 1952.

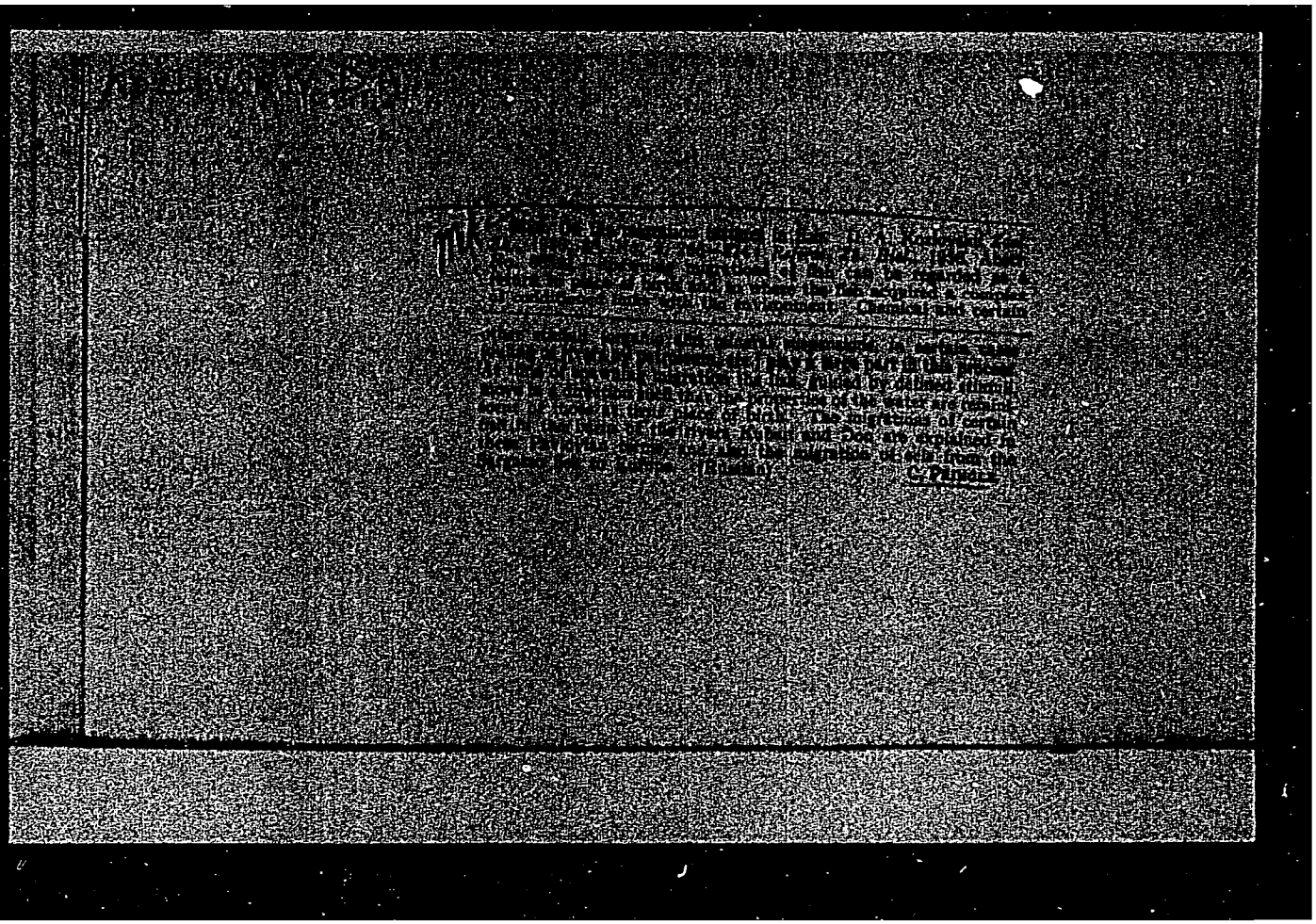
Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920

KOZLOVSKIY, D.A.

Significance of turbidity of rivers on the development of fish fauna and changes in forms of fishes. Zool.zhur.32 no.6:1052-1063 N-D '53. (MIRA 6:12)

1. Rostovskoe-na-Donu otdeleniye Gidrorybproyekta. (Fishes)



KOZLOVSKIY, E. PA 68T10

USSR/Aeronautics, Military Apr 1948
Flight Training

"Methods of Assembling a Group of Planes," Lt Col A. Bulatov, E. Kozlovskiy, 12 pp

"Vest Vozdush Flota" No 4 (350)

Two basic methods for organizing flight of planes: 1) assembly in a loop on a linear orientation point; and 2) assembly enroute, after passing a predetermined control point. Discusses details and characteristics of two methods which are particularly applicable for rendezvousing fighter support for bombers.

PA 68T10

STOGNIY, Nadezhda Pavlovna, kand. geogr. nauk; KOZLOVSKIY, F., red.

[Zaporozh'ye Province; its nature and economy] Zaporozhskaia oblast'; priroda i khoziaistvo. Zaporozh'e, Zaporozhskoe knizhno-gazetnoe izd-vo, 1963. 273 p.
(MIRA 18:5)